



Kurikulum
Merdeka

Lembar Kerja Peserta Didik

MATEMATIKA

Bangun Datar & Bangun Ruang



BANGUN DATAR

Perhatikan video pembelajaran ini sebelum melanjutkan ke tahap berikutnya



Setelah menyimak video pembelajaran di atas siswa diharapkan dapat memahami mengenai bangun datar. Untuk melihat seberapa paham siswa dalam memahami, siswa dapat mengerjakan persoalan di bawah ini.

Mengenal Bangun Datar

Tulislah nama bangun datar sesuai bentuknya.



MENGENAL BAGUN DATAR



Ayo, perhatikan gambar bangun datar di sebelah kiri dan daftar ciri-cirinya di sebelah kanan!



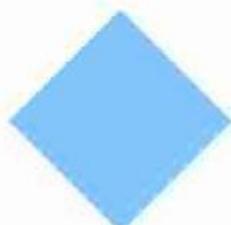
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- Tidak memiliki sudut
- Hanya memiliki 1 sisi lengkung
- Memiliki jari-jari dan diameter



•

- Memiliki 3 sisi dan 3 sudut
- Jenis: sama sisi, sama kaki, sembarang
- Jumlah sudut = 180°



•

- 4 sisi sama panjang
- 4 sudut siku-siku (90°)
- Semua sisi dan sudut sama besar



•

- Semua sisi sama panjang
- Diagonal saling tegak lurus
- Sudut berhadapan sama besar



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- Hanya memiliki satu pasang sisi sejajar
- Bisa berbentuk sama kaki, siku-siku, atau sembarang

MENGENAL BANGUN DATAR

Amati gambar bentuk yang sudah disediakan, kemudian pilihlah rumus yang sesuai dari bangun datar dengan benar!



- Luas:
 $A = \pi r^2$
- Keliling:
 $K = 2\pi r$



- Luas:
 $A = p \times l$
- Keliling:
 $P = 2(p + l)$



- Luas:
 $A = \frac{1}{2}(a + b)h$
- Keliling:
 $P = a + b + c + d$



- Luas:
 $A = \frac{3\sqrt{3}}{2}s^2$
- Keliling:
 $P = 6s$



- Luas:
 $A = \frac{1}{2}a \times t$
- Keliling:
 $K = a + b + c$



- Luas:
 $A = s^2$
- Keliling:
 $K = 4s$

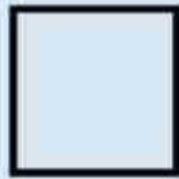
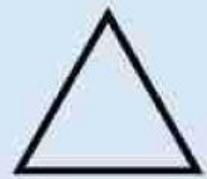
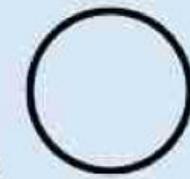
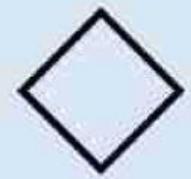
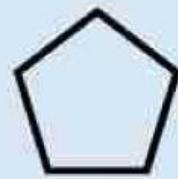
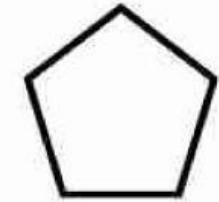
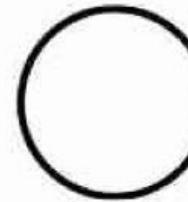
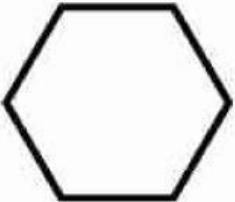
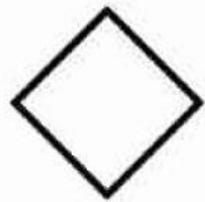
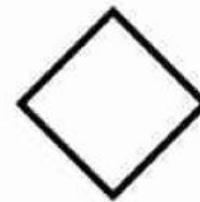
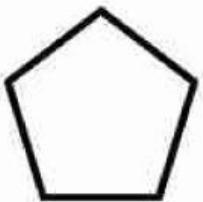
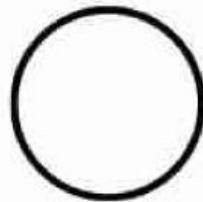
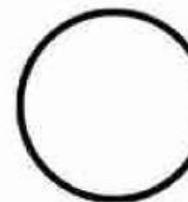
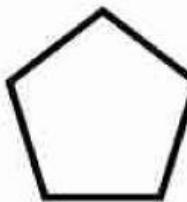
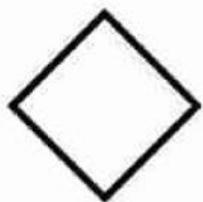
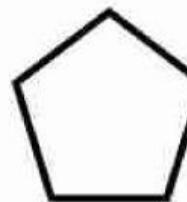
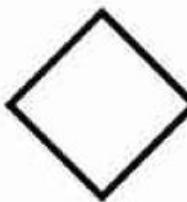
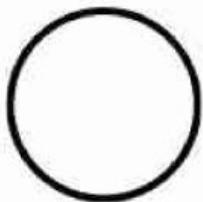
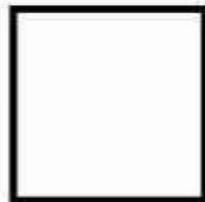


- Luas:
 $A = a \times h$
- Keliling:
 $P = 2(p + l)$

PERMAINAN LOGIKA

Panduan

Isi angka pada bentuk yang sesuai berdasarkan daftar bentuk di atas!

**1****2****3****4****5****6**

BANGUN RUANG

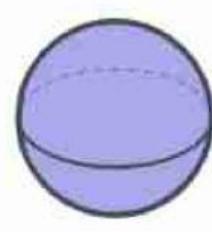
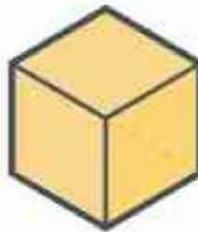
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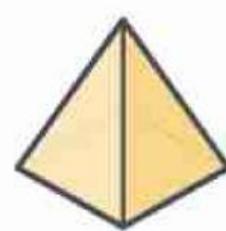
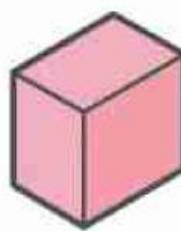
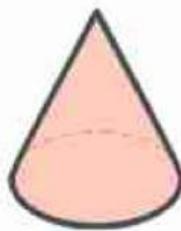


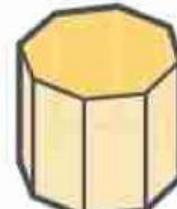
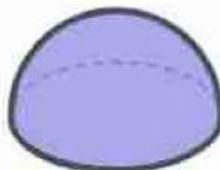
Setelah menyimak video pembelajaran di atas siswa diharapkan dapat memahami mengenai bangun datar. Untuk melihat seberapa paham siswa dalam memahami, siswa dapat mengerjakan persoalan di bawah ini.

Mengenal Bangun Ruang

Lihat gambar bangun ruang berikut, lalu tulis namanya pada kotak yang tersedia!

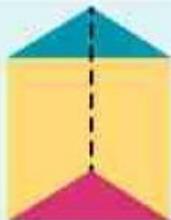
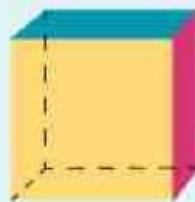
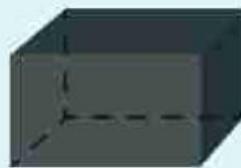
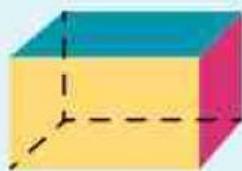




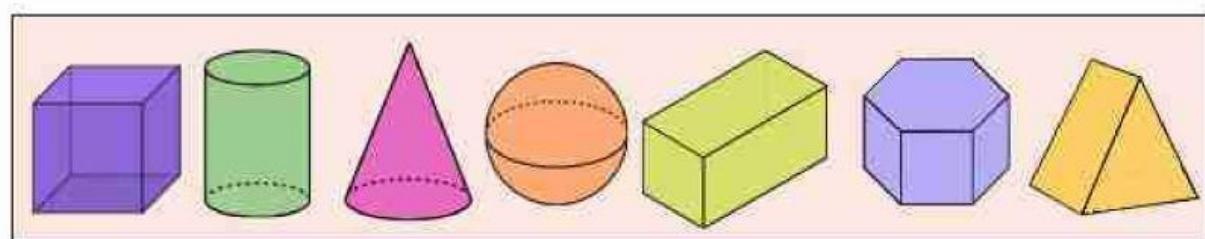


Mengenal Bangun Ruang

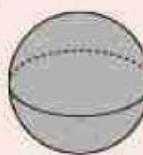
pilih gambar bangun ruang berikut yang sesuai dengan bayangannya!



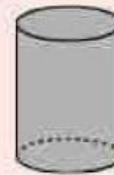
Mengenal Ciri-ciri Bangun Ruang



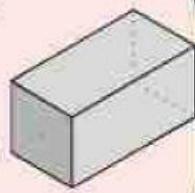
- Memiliki 1 sisi lengkung.
- Tidak memiliki titik sudut.
- Tidak memiliki rusuk.



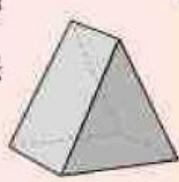
- Memiliki 2 sisi berbentuk lingkaran (atas dan bawah).
- Memiliki 1 sisi lengkung.
- Tidak memiliki titik sudut.
- Tidak memiliki rusuk tajam, hanya 2 rusuk lengkung.



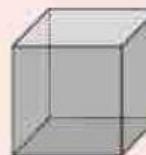
- Memiliki 6 sisi berbentuk persegi panjang.
- Memiliki 12 rusuk.
- Memiliki 8 titik sudut.
- Sisi yang berhadapan sama panjang



- Memiliki 1 sisi alas berbentuk segitiga.
- Memiliki 3 sisi tegak berbentuk segitiga.
- Memiliki 6 rusuk.
- Memiliki 4 titik sudut.



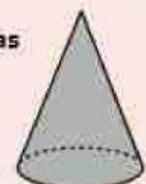
- Memiliki 6 sisi berbentuk persegi.
- Memiliki 12 rusuk yang sama panjang.
- Memiliki 8 titik sudut.



- Memiliki 2 sisi alas berbentuk segi enam.
- Memiliki 6 sisi tegak berbentuk persegi panjang.
- Memiliki 18 rusuk.
- Memiliki 12 titik sudut.

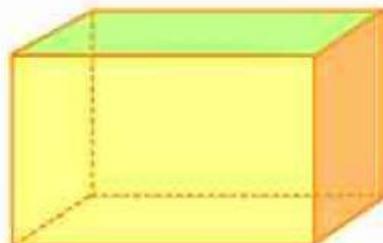
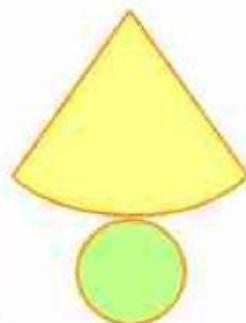
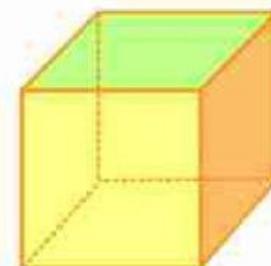
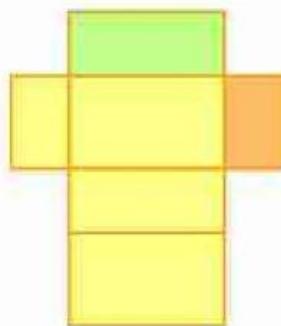
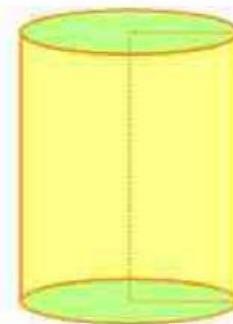
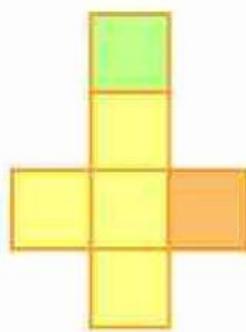
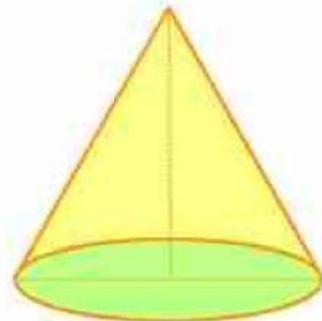
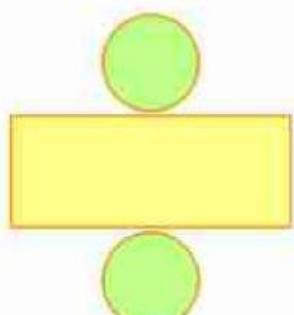


- Memiliki 1 sisi alas berbentuk lingkaran.
- Memiliki 1 sisi lengkung.
- Memiliki 1 titik puncak.
- Memiliki 1 rusuk lengkung.



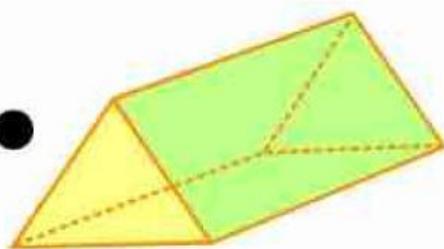
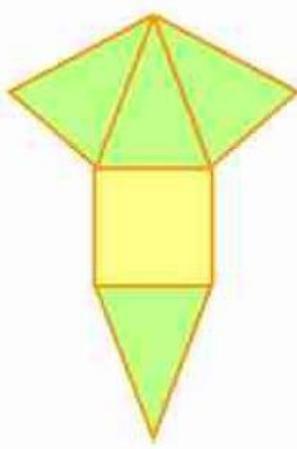
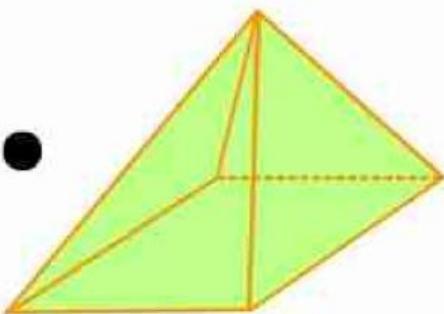
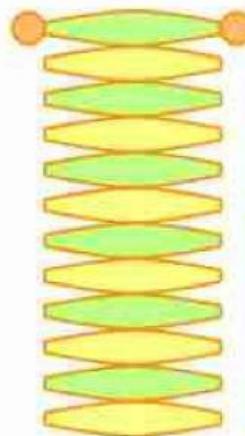
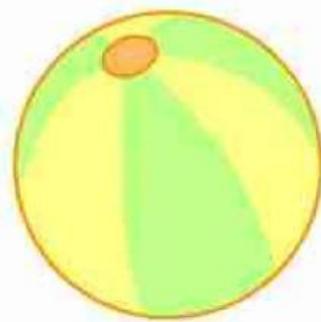
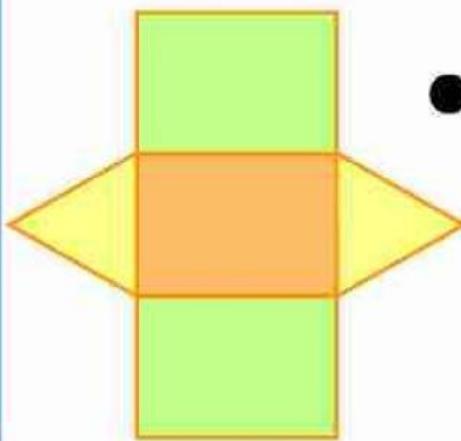
Jaring-jaring Bangun Ruang

Jodohkan jaring-jaring dengan bangun ruang di bawah ini!



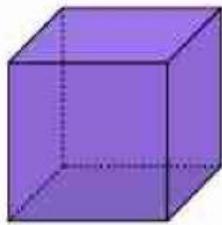
Jaring-jaring Bangun Ruang

Jodohkan jaring-jaring dengan bangun ruang di bawah ini!

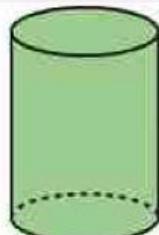


Mengenal Bangun Ruang

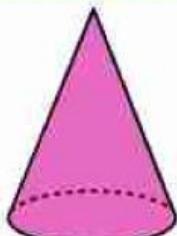
Hubungkan gambar dengan rumus yang sesuai!



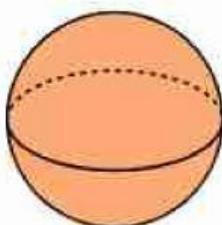
- KELILING ALAS = $2\pi r$
- LUAS PERMUKAAN = $2\pi r(r + t)$
- VOLUME = $\pi r^2 t$



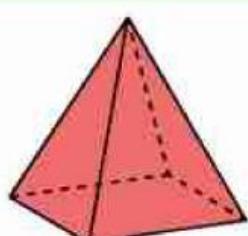
- KELILING (LINGKARAN BESAR/DIAMETER) = $2\pi r$
- LUAS PERMUKAAN = $4\pi r^2$
- VOLUME = $\frac{4}{3}\pi r^3$



- KELILING ALAS = $2(p + l)$
- LUAS PERMUKAAN = $2(pl + pt + lt)$
- VOLUME = $p \times l \times t$



- KELILING ALAS = $4 \times s$
- LUAS PERMUKAAN = $s^2 + 4 \times (\frac{1}{2} \times s \times t_s)$ (s = SISI ALAS, t_s = TINGGI SEGITIGA SISI TEGAK)
- VOLUME = $\frac{1}{3} \times s^2 \times t$ (t = TINGGI LIMAS DARI ALAS KE PUNCAK)



- KELILING ALAS = $2\pi r$
- LUAS PERMUKAAN = $\pi r^2 + \pi rs$ (s = GARIS PELUKIS)
- VOLUME = $\frac{1}{3} \pi r^2 t$

BENTUK BANGUN RUANG SERUPA

Lingkari benda yang sesuai dengan contoh bangun ruang.

