GRADE 5 – MATHS – MIDTERM 1 REVIEW

EXERCISE 1

Draw a ring around the expression that is equivalent to 4.063.

A 4 + 0.6 + 0.3

B 4 + 0.6 + 0.03

C 4 + 0.06 + 0.03

D 4 + 0.06 + 0.003

EXERCISE 2

Complete the place value diagram.

91.969 → [90] + [ ] + [ ] + [0.06] + [ ]

EXERCISE 3

Complete the table to show what the digits in the number 47.506 represent.

4	tens
5	
6	
7	

EXERCISE 4

What decimal number is represented by

$20 + 4 + \frac{9}{10} + \frac{7}{100} + \frac{9}{1000}$? _____

EXERCISE 5

Write the **largest** number from the list that rounds to 10 when rounding to the nearest whole number. _____

10.55 9.99 10.9 10.45 10.5 9.5 9.9

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EXERCISE 6

Write the missing number

26.004 = 24 + 3

$\boxed{}$

EXERCISE 7

Kofi regroups five numbers but two of his answers are wrong.

Which answers are wrong?

A 38.565 = 3856 tenths + 5 thousandths

B −48.39 = −40 − 8 − 0.3 − 0.09

C 34.079 = 34 + 0.79

D −56.079 = −50 − 6.079

E 76.091 = 70 + 6 + 0.09 + 0.001

_____

EXERCISE 8

Here are four numbers.

5.55 55.5 555 550 55 500

Which of these numbers is 100 times smaller than 5550? _____

EXERCISE 9

Two numbers each with 2 decimal places round to 2.5 to the nearest tenth.

The sum of the two numbers is 4.99

What could the numbers be?

_____

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EXERCISE 10

Write the missing numbers.

a $\square \times 0.7 = 7$

b $903 \div \square = 9.03$

c $\square \times 0.13 = 130$

d $1.3 \times \square = 1300$

EXERCISE 11

Which expression A, B, C or D shows the decomposition of 80.58?

A $\boxed{8\times10} + \boxed{5\times1} + \boxed{8\times\frac{1}{10}}$

B $\boxed{8\times10} + \boxed{5\times1} + \boxed{8\times\frac{1}{100}}$

C $\boxed{8\times1} + \boxed{5\times\frac{1}{10}} + \boxed{8\times\frac{1}{100}}$

D $\boxed{8\times10} + \boxed{5\times\frac{1}{10}} + \boxed{8\times\frac{1}{100}}$

_____

EXERCISE 12

Complete the table.

Number	Number rounded to the nearest tenth	Number rounded to the nearest whole number
3.78		
4.45		
3.55		
4.04		

EXERCISE 13

Circle the **largest** number from the list that gives 100 when rounded to the nearest whole number.

100.55 99.99 100.9 100.45

100.5 99.5 99.9

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EXERCISE 14

Use each of the digits 9, 4, 1 and 2 once to make the decimal number closest to 20.

[ ]

EXERCISE 15

Felipe counts on in steps of 0.3 starting at 4.

Write the first five terms of Felipe's sequence.

[ ], [ ], [ ], [ ], [ ]

EXERCISE 16

Write the next two terms in each sequence.

a 1.4, 1.5, 1.6, 1.7, [ ], [ ]

b $\frac{1}{2}$, 1, $1\frac{1}{2}$, 2, $2\frac{1}{2}$, [ ], [ ]

c 0, –0.3, –0.6, –0.9, –1.2, [ ], [ ]

EXERCISE 17

Kiki counts in steps of 0.03 starting at 3.26.
What are the next three numbers in her count forward?

3.26, 3.29, 3.32, [ ], [ ], [ ].

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EXERCISE 18

a Find the position-to-term rule for the numbers in this table.

Position	Term
1	9
2	18
3	27
4	36

b What is the 10th term of the sequence 9, 18, 27, ...?

EXERCISE 19 – Calculate:

2^3 = _____ **9^3 = _____**

5^2 = _____ **6^3 = _____**

EXERCISE 20

What is the sum of the third square number and the fifth square number?

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EXERCISE 21

Draw a ring around the expressions that are equal to 6^2.

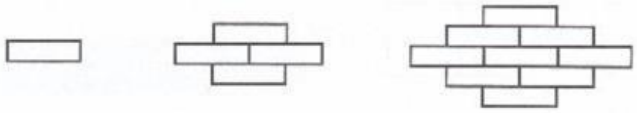
6×2 $\quad$ 6×6 $\quad$ $6 + 6$

$2 \times 2 \times 2 \times 2 \times 2 \times 2$ $\quad$ $6 + 6 + 6 + 6 + 6 + 6$

EXERCISE 22

Vincent makes a sequence using patterns of rectangular bricks.

a Draw the next pattern in the sequence.



1 $\quad$ 2 $\quad$ 3 $\quad$ 4

EXERCISE 23

a What is the fifth square number?

_____

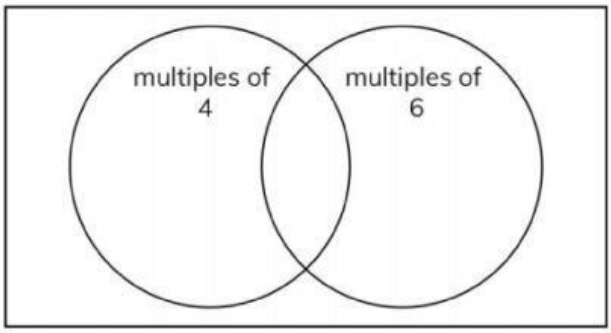
b What is the second cube number?

_____

EXERCISE 24

a Write the numbers in the correct place on the Venn diagram.

14 $\quad$ 20 $\quad$ 24 $\quad$ 30 $\quad$ 36



b Which numbers are common multiples of 4 and 6?

_____

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GRADE 5 – MATHS – MIDTERM 1 REVIEW

EXERCISE 25

Find all the common factors of these numbers.

a 15 and 20.

_____

b 18 and 27.

_____

EXERCISE 26

Find **square numbers** to make these calculations correct.

□ + □□ = 40 □ + □□ = 90

EXERCISE 27

Find all the common factors of these numbers.

a 6 and 8

_____

b 8 and 12

_____

EXERCISE 28

Draw lines to match the descriptions to the set of data.

The range is 5.	5, 6, 5, 7, 8
The mode is 5.	5, 3, 4, 9, 8
The median is 5.	2, 6, 4, 7, 4
The mean is 5.	5, 6, 1, 6, 7

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EXERCISE 29

Calculate the mode, median, mean and range for these sets of data.

1 6, 4, 7, 2, 5, 6

Mode ☐ Median ☐

Mean ☐ 6 + 4 + 7 + 2 + 5 + 6 = ☐

☐ ÷ 6 = ☐

Range ☐ 7 – 2 = ☐

2 2, 2, 11, 9, 4, 2

Mode ☐ Median ☐

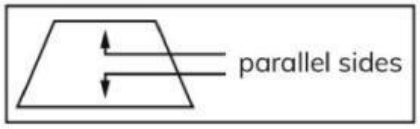
Mean ☐ ☐ + ☐ + ☐ + ☐ + ☐ + ☐ = ☐

☐ ÷ ☐ = ☐

Range ☐ ☐ – ☐ = ☐

EXERCISE 30

Complete these questions about parallel sides.
The first one has been done for you.



a An isosceles trapezium has _1_ pair of parallel sides.

b A kite has _____ pairs of parallel sides.

c A parallelogram has _____ pairs of parallel sides.

d A rectangle has _____ pairs of parallel sides.

e A rhombus has _____ pairs of parallel sides.

f A square has _____ pairs of parallel sides.

g A trapezium has _____ pair of parallel sides.

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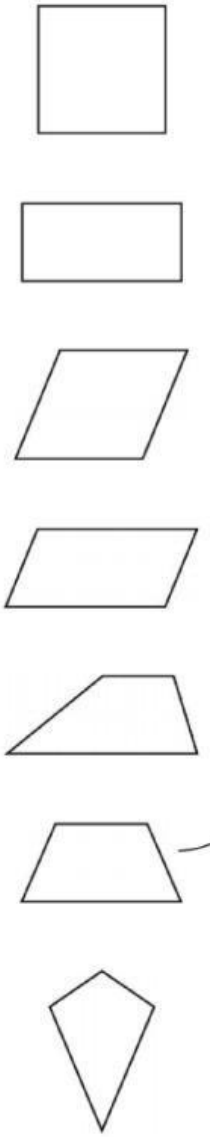
Draw a line between the shape and its name. One has been done for you.



Isosceles trapezium

Kite

Parallelogram

Rectangle

Rhombus

Square

Trapezium

EXERCISE 31

Write down the name of the shape being described.

a I am a quadrilateral. All my sides are different lengths.
Two of my sides are parallel.

I am a _____.

b I am a quadrilateral. All my sides meet at right angles.

My diagonals bisect each other, but not at 90 °. I am a _____.

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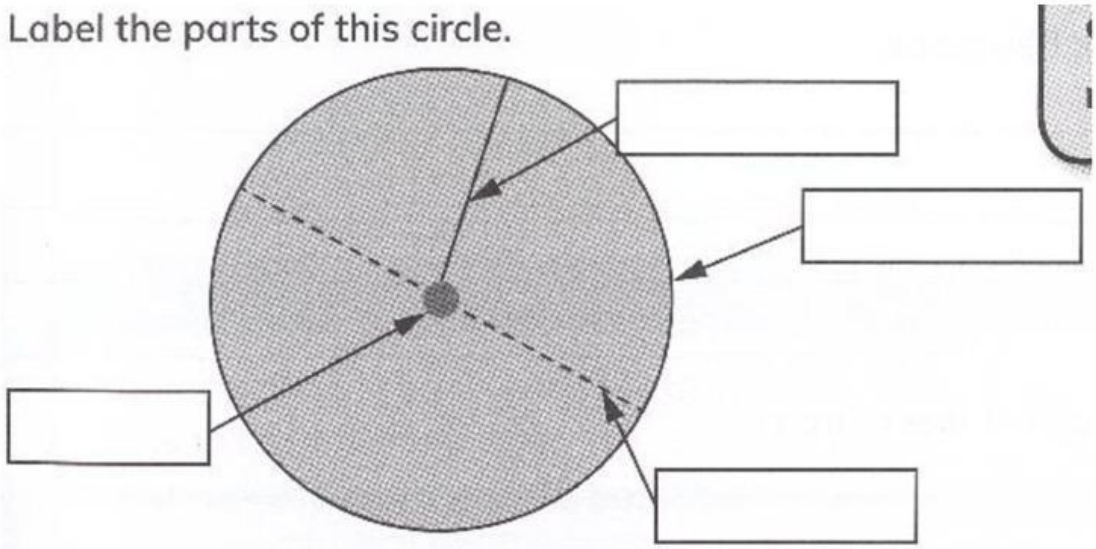
EXERCISE 32

Draw a diagram to show how an isosceles trapezium can tessellate.

EXERCISE 33

Label the parts of this circle.



EXERCISE 34

In the space below, draw a circle with radius 3 cm.

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EXERCISE :35

Complete the shape quiz then draw the shapes.

Question	Drawing	Answer
a This shape has four equal sides and all angles are 90 °. The diagonals bisect each other. What is it?		
b This shape has two pairs of equal, parallel sides and all angles are 90 °. The diagonals bisect each other. What is it?		
c This shape has two pairs of equal, parallel sides. It has two pairs of equal angles (not 90 °). What is it?		
d This shape has two parallel sides. The length of the sides is not necessarily equal. What is it?		
e In this shape, the two pairs of sides that are next to each other are equal. What is it?		

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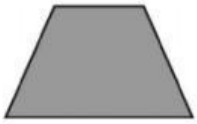
EXERCISE 36

Identify each of these quadrilaterals. Choose from the names in the box.

Square Rectangle Rhombus Kite Parallelogram Trapezium Isosceles trapezium



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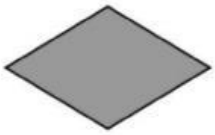

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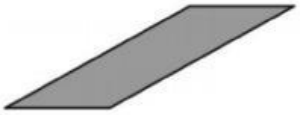

_____

EXERCISE 37

Write the correct number in each of these quadrilateral properties.

A parallelogram has _____ pairs of parallel sides.

All the angles in a square are _____°.

A kite has _____ pair of equal angles.

A rhombus has _____ sides the same length.

EXERCISE : 38

Write true or false for each of these statements.

a A radius of 5 cm is the same as a diameter of 10 cm. _____

b A diameter of 6 cm is the same as a radius of 12 cm. _____

c A radius of 70 mm is the same as a radius of 7 cm. _____

d A radius of 45 mm is the same as a diameter of 9 cm. _____

GOOD LUCK!

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