

S3 2021-22 Page 2



1. Match these fractions up with their simplified partners by joining with lines

$$\frac{4}{8}$$

$$\frac{6}{15}$$

$$\frac{9}{12}$$

$$\frac{8}{32}$$

$$\frac{18}{30}$$

$$\frac{3}{4}$$

$$\frac{2}{5}$$

$$\frac{3}{5}$$

$$\frac{1}{2}$$

$$\frac{1}{4}$$

2. Drag the correct answer under the correct sum

$$3^3$$

$$2^3$$

$$2^4$$

$$3^2$$

$$9$$

$$6$$

$$8$$

$$12$$

$$27$$

$$16$$

3. Calculate the following percentages. [Type in your answers & remember the £ signs]

a) 75% of £30 =

b) 40% of £15 =

c) $33\frac{1}{3}\%$ of £16.50 =

d) 120% of £40 =

e) $12\frac{1}{2}\%$ of £20 =

f) $\frac{1}{2}\%$ of £600 =

4. If the day before yesterday is a Saturday, which day of the week will it be 1 week tomorrow?

5. Stapp ver Maxen won the Alloa Grand Prix by 3 minutes, 4.76 seconds ahead of Hammy Lewiston. If Hammy took 2 hours 1 minute 3.12 seconds what was Stapp's time?

Hours

minutes

seconds



6.



Your great aunt Jessie decided to give you 1p on the first of July. On the second she double it to 2p, on third she doubled it again to 4p and so on.

How much would you expect to receive on the 31st July?

Answer to the nearest million pound.

7. Match the question with the answer. Draw lines to join them.

$-3 - 1$	$-4 + 3$	$-2 - (-2)$	$-1 + 3$	$4 - 6$	$-2 + (-3)$	$-6 + 3$	$-1 + 2$
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2	-5	-4	-3	0	-1	1	-2
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8. True or False

One quarter is bigger than one third

The first prime number after 20 is 21

The angles in a parallelogram add up to 360°

When you divide 1 000 by 9 the remainder is 3

The spots on 3 dice add up to 63

78 is halfway between 55 and 101

$0.7 \times 0.7 = 4.9$