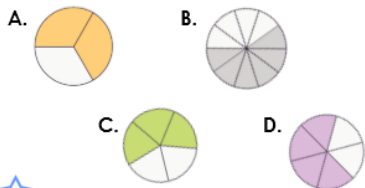


Equivalent fractions

Practising – see worksheet provided.

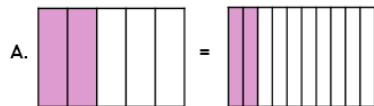
Thinking

Match the equivalent fractions.



Explaining

Dwayne has drawn some equivalent fractions.



Find and explain any mistakes.

Adding mixed numbers

Practising - see worksheet provided

Thinking

Circle the correct answer to the calculation below.

$$5 \frac{3}{5} + \frac{19}{15} = ?$$

- A. $6 \frac{13}{15}$ B. $6 \frac{7}{15}$ C. $5 \frac{22}{15}$

Explaining

Libby has completed the following calculations

2	$\frac{3}{4}$	+	$\frac{14}{12}$	=	3	$\frac{1}{4}$
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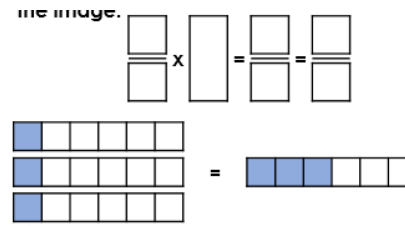
Is she correct?
Explain how you know.

Multiplying fractions

Practising – see worksheet provided

Thinking

Write the calculation that matches the image.



Explaining

Sanjeet has completed the calculation below

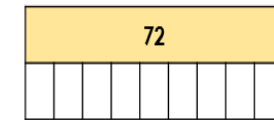
$$\frac{1}{8} \times 9 = \text{[Diagram: a circle divided into 8 equal sectors, with 9 sectors shaded blue]} = \frac{9}{72}$$

Is he correct? Explain your answer.

Fractions of an amount

Practising – see worksheet provided

Thinking



One part equals so $\frac{4}{9}$ of 72 is

and of 72 is 40.

Explaining

Circle the odd one out.

A. $\frac{2}{3}$ of 0.18L

0.18L

B. $\frac{3}{4}$ of 0.24L

0.24L

C. $\frac{4}{5}$ of 0.15L

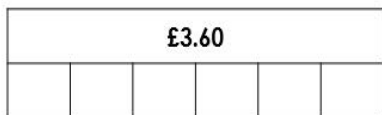
0.15L

Explain your reasoning.

Money – Four operations

Thinking (1)

Which coins would complete this bar model?



You can use coins more than once.



Thinking (2)

Calculate the missing numbers:

$$\boxed{} + \pounds 2.65 = \pounds 5$$

$$8 \times \boxed{} = \pounds 2.40$$

Explaining

Martha loves to hold cake parties.



- 45p per cake
- 20 for £3.60
- 5 for £1.20

She plans to buy 25 cakes for her next party, so she decides to buy her cakes in packs of 5. Do you agree with her decision? Explain your answer.

Ordering and comparing decimals

Practising

Order these decimals from smallest to largest.

32.34 1.989 0.0053 0.3482 23.32

Thinking

Tick the rows of decimals that are ordered correctly from largest to smallest.

- 3.539 3.533 3.359 3.395
- 5.487 5.478 5.408 5.4
- 7.839 7.831 7.83 7.803

Explaining

Dominic is comparing numbers. He says,



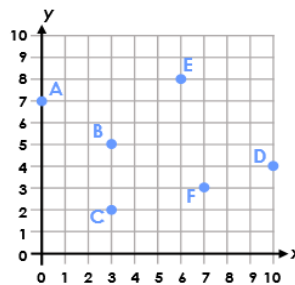
I think that $3.218\text{km} > 3220\text{m}$

Is Dominic correct? Explain your answer.

Coordinates - Position

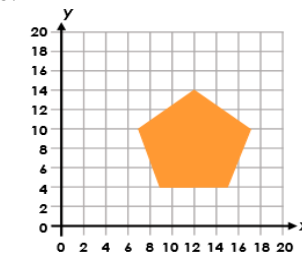
Practising:

Write the coordinates of all the marked points on the grid,



Thinking

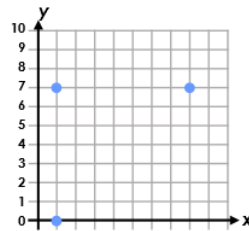
Write the coordinates of the vertices of the shape.



Explaining – True or false? Explain.



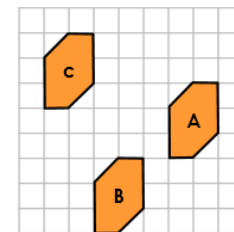
If I have 3 coordinates of a square, I can calculate the fourth.



Coordinates - Translation

Thinking

Tick the translation from shape A to shape C.



- 5 right, 2 up
- 5 left, 2 up
- 3 left, 3 down

Explaining

Tyrese is translating shapes.



When you are giving instructions for translation, up or down follows instructions for left or right.

Do you agree with Tyrese? Support your answer by drawing your own example.

Year 6 Maths Learning Grid – 6th July 2020

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