

Daily Arithmetic - Week Beginning 11th May 2020

Monday

1) Find the highest common factor of 8 and 12.

2) Find the lowest common multiple of 3 and 5.

3) Which of these are prime numbers:

10, 7, 25, 2, 14, 23

4) $-15 + 20 =$

5) $27 - \underline{\hspace{2cm}} = -4$

6) $-40 + \underline{\hspace{2cm}} = 100$

7) $3 - 6.8 =$

8) $-0.5 + 4 =$

9) $\frac{3}{6} = \frac{?}{42}$

10) $\frac{?}{12} = \frac{32}{48}$

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Tuesday

Write the fraction in its simplest form:

1) $\frac{16}{40}$

2) $\frac{25}{45}$

3) $\frac{36}{42}$

Find the **odd** fraction in each list:

4) $\frac{1}{4}$, $\frac{5}{23}$, $\frac{100}{40}$, $\frac{4}{16}$

5) $\frac{8}{12}$, $\frac{2}{3}$, $\frac{10}{30}$, $\frac{16}{24}$

Split each quantity into the given ratio:

6) 15cm into the ratio 1:2

7) 20m into the ration 1:3

8) 15 kg into the ratio 1:4

9) Find 30% of 80m

10) Find 12% of 400kg

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Wednesday

Complete the sequences:

1) 2, 3, _____, 7, _____, 13, _____, 19

2) 4, _____, 16, _____, 36, 49, _____

3) 1, 8, _____, 64, _____, 216

Calculate the mean average of each set of values:

4) 5, 3, 5, 6, 9, 2

5) 15, 18, 12, 14, 11

6) 18, 24, 30, 36, 42, 26, 14

7) $5 \times 2.4 =$

8) $4.3 \times 6.2 =$

9) $7.2 \times 4.8 =$

10) $9.2 \times 8.3 =$

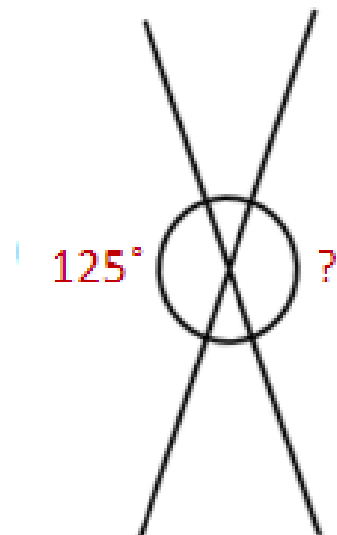
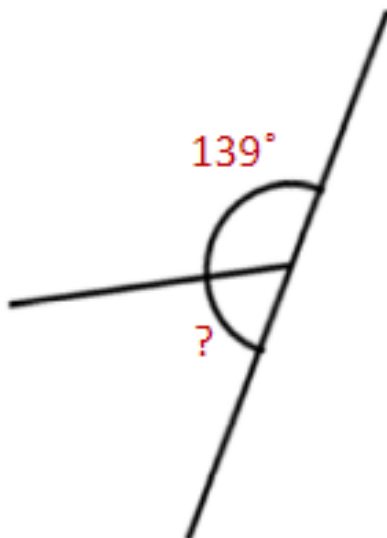
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Thursday

$$\begin{array}{r} \boxed{6} \ \boxed{} \ \boxed{8} \ \boxed{} \\ + \ \boxed{} \ \boxed{9} \ \boxed{} \ \boxed{8} \\ \hline \boxed{9} \ \boxed{1} \ \boxed{8} \ \boxed{9} \end{array}$$

$$\begin{array}{r} \boxed{8} \ \boxed{} \ \boxed{5} \ \boxed{} \\ - \ \boxed{} \ \boxed{3} \ \boxed{} \ \boxed{2} \\ \hline \boxed{4} \ \boxed{2} \ \boxed{7} \ \boxed{1} \end{array}$$

$$\begin{array}{r} \phantom{} \ \boxed{} \ \boxed{} \ \boxed{} \ \boxed{} \\ \phantom{} \phantom{} \phantom{} \phantom{} \ \boxed{9} \\ \hline \boxed{3} \ \boxed{} \ \boxed{6} \ \boxed{5} \ \boxed{2} \end{array}$$



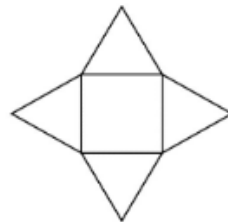
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Friday

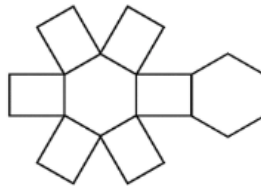
1) The temperature in London is taken at 7am (-8°C) and at 7pm (15°C). Calculate the difference between the temperatures.

2) Bob has £40 in his bank account. He buys a new computer game for £52. How much does he have in his bank account now?

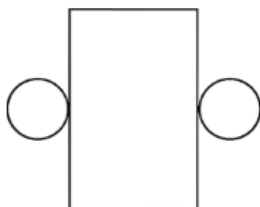
3) Which 3D shape will this net make?



4) Which 3D shape will this net make?



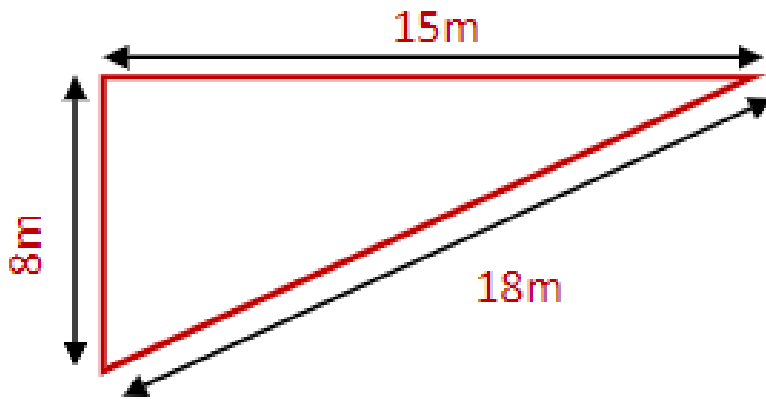
5) Which 3D shape will this net make?



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6) What is the perimeter of this triangle?

7) What is the area of the triangle?



What is the value of each letter?

8) $5y = 100$

9) $a + 35 = 50$

10) $b^2 = 81$