

11+ Maths Preparation

Topic Checklist & Practice Questions

Question 1

Which single digit should be placed in all 3 of these boxes to give a correct calculation?

$$\boxed{4} \boxed{4} \times \boxed{4} = 176$$

- A) 3 B) 4 C) 5 D) 6 E) 8



Question 4

Find the value of letter in these equations:

$$x + 5 = 7$$

$$x = 7 - 5$$

$$x = 2$$

$$12 - y = 5$$

$$12 - 5 = y$$

$$y = 7$$

$$2w - 1 = 13$$

$$2y = 14$$

$$y = 7$$

$$7w + 3 = 5w + 9$$

$$2w = 6$$

$$w = 3$$

Question 2

Work out the following calculations:

$$\frac{11}{12} - \frac{5}{6}$$

$$\frac{11}{12} - \frac{10}{12} = \frac{1}{12}$$

$$\frac{3}{4} \times \frac{1}{5} = \frac{3 \times 1}{4 \times 5}$$

$$= \frac{3}{20}$$

$$12 \frac{1}{2} \div \frac{5}{8}$$

$$\frac{25}{2} \div \frac{5}{8}$$

$$= \frac{25}{2} \times \frac{8}{5}$$

$$\frac{20}{1} = 20$$

$$\frac{1}{3} + \frac{3}{5}$$

$$\frac{5}{15} + \frac{9}{15} = \frac{14}{15}$$

Question 3

Work out size of the missing angles:

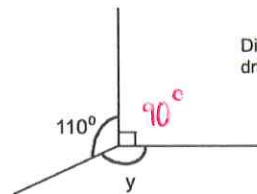
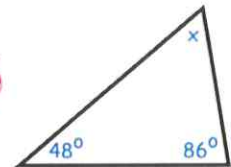


Diagram not drawn accurately

$$110 + 90 = 200$$

$$360 - 200 = 160^\circ$$

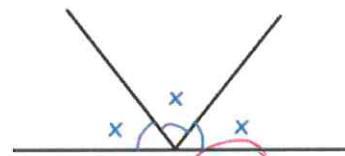


$$48 + 86 =$$

$$134$$

$$180 - 134 =$$

$$46^\circ$$



$$180 \div 3 = 60^\circ$$