

Percentages of an Amount

Practice Worksheet (Foundation Tier)

I DO

Work out 35% of 160.

WE DO

Work out 45% of 240.



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YOU DO 1

Work out 65% of 120.

YOU DO 2

Work out 15% of 380.



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CHALLENGE

A shop sells a TV for £450.

It is reduced in a sale by 15%.

Work out the sale price of the TV.

PRACTICE PERFECT

Work out the following non-calculator percentage problems. Show your working.

1. Work out 10% of £85.
2. Work out 20% of 40.
3. Work out 5% of 600g.
4. Work out 15% of 240km.
5. Work out 30% of 450.
6. Work out 45% of 800.



ANSWERS & WORKED SOLUTIONS

I Do

Step 1: Find 10%. $160 \div 10 = 16$.

Step 2: Find 30%. $16 \times 3 = 48$.

Step 3: Find 5%. Half of 10% is $16 \div 2 = 8$.

Step 4: Add them together to find 35%. $48 + 8 = 56$.

Answer: 56

We Do

Step 1: Find 10%. $240 \div 10 = 24$.

Step 2: Find 40%. $24 \times 4 = 96$.

Step 3: Find 5%. Half of 10% is $24 \div 2 = 12$.

Step 4: Add them together to find 45%. $96 + 12 = 108$.

Answer: 108

You Do 1

Step 1: Find 10%. $120 \div 10 = 12$.

Step 2: Find 60%. $12 \times 6 = 72$.

Step 3: Find 5%. Half of 10% is $12 \div 2 = 6$.

Step 4: Add them together to find 65%. $72 + 6 = 78$.

Answer: 78

You Do 2

Step 1: Find 10%. $380 \div 10 = 38$.

Step 2: Find 5%. Half of 10% is $38 \div 2 = 19$.

Step 3: Add them together to find 15%. $38 + 19 = 57$.

Answer: 57

Challenge

Step 1: Find 10% of £450. $450 \div 10 = £45$.

Step 2: Find 5% of £450. Half of £45 is £22.50.

Step 3: Add to find 15%. $£45 + £22.50 = £67.50$ reduction.

Step 4: Subtract from the original price. $£450 - £67.50 = £382.50$.

Answer: £382.50



Practice Perfect

1. $10\% = 85 \div 10 = \textbf{£8.50}$

2. $10\% = 4$. So $20\% = 4 \times 2 = \textbf{8}$

3. $10\% = 60$. So $5\% = 60 \div 2 = \textbf{30g}$

4. $10\% = 24$. $5\% = 12$. So $15\% = 24 + 12 = \textbf{36km}$

5. $10\% = 45$. So $30\% = 45 \times 3 = \textbf{135}$

6. $10\% = 80$, $40\% = 320$. $5\% = 40$. So $45\% = 320 + 40 = \textbf{360}$



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