

Mental addition and subtraction 2

- 1 a) Complete these two mental methods for working out $78 - 25$.

$$78 - 20 = \square$$

$$\square - 5 = \square$$

$$\text{So, } 78 - 25 = \square$$

$$70 - 20 = \square$$

$$8 - 5 = \square$$

$$\text{So, } 78 - 25 = \square$$

- b) Complete these two mental methods for working out $670 - 220$.

$$670 - 200 = \square$$

$$\square - 20 = \square$$

$$\text{So, } 670 - 220 = \square$$

$$600 - 200 = \square$$

$$70 - 20 = \square$$

$$\text{So, } 670 - 220 = \square$$

- 2 Solve these calculations mentally.

a) $64 - 21 = \square$

$640 - 210 = \square$

$6,400 - 2,100 = \square$

b) $78 - 41 = \square$

c) $560 - 260 = \square$

d) $97 - 75 = \square$

$970 - 750 = \square$

$9,700 - 7,500 = \square$

e) $390 - 140 = \square$

f) $6,600 - 3,400 = \square$



- 3 Jamie is trying to work out the answer to this calculation in her head.

$$85 - 37$$



First I subtract 30.

I then subtract 5 to take me to the next 10.

Jamie

I now subtract 2 more.

- a) Complete the calculation Jamie has done in her head.

$$85 - 30 = \square$$

$$\square - 5 = \square$$

$$\square - 2 = \square$$

$$\text{So, } 85 - 37 = \square$$

- b) Show Jamie's method on the number line below.



- 4 Work out these calculations mentally.

a) $45 - 18 = \square$

$72 - 45 = \square$

b) $196 - 74 = \square$

$196 - 78 = \square$

c) $52 - 36 = \square$

$92 - 39 = \square$

d) $144 - 62 = \square$

$144 - 66 = \square$

5 Solve these calculations in your head.

a) $192 - 188 =$

d) $102 - 89 =$

b) $304 - 296 =$

e) $401 - 391 =$

c) $347 - 339 =$

f) $1,200 - 1,184 =$

g) The difference between 8,002 and 7,997 is .

6 Solve these problems mentally.

a) $324 - 63 =$

b) 83 subtracted from 830 =

c) $126 + 75 - 194 =$

d) $425 - 37 =$

e) $126 - 75 + 194 =$

CHALLENGE

Reflect

Subtract 792 from 801 in your head.

Explain how you did it, and why you did it like this.

- _____
- _____
- _____
- _____