



S1

CFE Level 3

Working at Home Workbook

Whole numbers

Learning Intention. To be able to -
solve problems using mathematical operations
use quick methods to carry out mental calculations
multiply/divide by 30, 400, 2000 etc.
$+$, $-$, \times , \div using the order of operations

Solve problems using mathematical operations

Question 1

1. The attendance at two Seria A Italian football matchers last Sunday were 47 430 and 39 895. What was the total attendance for both games?
2. Colin made 1426 minutes of calls on his mobile phone last year. He was charged at the rate of 8 pence per minute. What was his total bill for the year?
3. A group of 6 students worked part-time sealing envelopes for a mail order firm. In one hour they sealed 2526 envelopes altogether. Assuming they each worked at the same rate, hoe many envelopes did each student seal in one hour?
4. MacDavid's made 2463 Happy Meals last week. They sold 2139 of them. How many had they left to throw out?
5. Solve

a)	$6893 + 579$	b)	$4000 - 278$	c)	$56.41 - 1545$
d)	$6 - 2.57$	e)	$18.7 + 26.93$	f)	$50.1 - 14.94$
g)	13.26×8	h)	$8 \div 13.84$	i)	$15 \div 6.5$

Use quick methods to carry out mental calculations

Question 2

Solve these questions mentally

a)	$49 + 68$	b)	$43 + 77$	c)	$60 - 35$
d)	$861 - 570$	e)	$642 + 768$	f)	4×4.89
g)	92×5	h)	$755 - 663$	i)	$5600 + 9400$
j)	$6300 - 2455$	k)	36×3	l)	7×2.31
m)	$248 \div 4$	n)	$336 \div 8$	o)	$453 \div 3$

Multiply/divide by 30, 400, 2000 etc.

Question 3

1. Calculate:

a)	16×10	b)	23×100	c)	8×1000
d)	41×20	e)	42×500	f)	18×70
g)	113×300	h)	700×311	i)	355×3000

2. Calculate:

a)	$43200 \div 200$	b)	$1680 \div 40$	c)	$13500 \div 50$
d)	$2400 \div 300$	e)	$13800 \div 200$	f)	$126000 \div 600$
g)	$49700 \div 70$	h)	$59500 \div 500$	i)	$428400 \div 900$

+, -, x, ÷ using the order of operations

Question 4

1. Solve:

a)	$8 + 96 \div 2$	b)	$23 \times 4 - 28$	c)	$79 - 12 \times 4$
d)	$42 \div 6 - 3$	e)	$17 \times 3 + 2$	f)	$73 + 9 \times 7$
g)	$5 \times (3 + 4)$	h)	$(6 - 3) \times 9$	i)	$100 - (3 \times 5 + 25)$

2. Solve:

a)	$6 + 42 \div 2 - 15$	b)	$36 - 10 \times 2 \div 5 - 11$
c)	$(35 - 29) \times (7 - 4)$	d)	$(929 + 71) \div (425 - 225)$