

## Outcome 2 - Calculating Change & "Best Buy" Comparisons

### Bronze example

**Examples...**

John buys a pack of pencils, one pack of A4 paper and a pack of crayons. How much change will he receive from £20?

$$2 + 5 + 4 = 11$$

$$20 - 11 = \text{£}9$$

**The Pencil Store**  
Great Low Prices!

Electric Sharpeners £9 each	Pencils £2 per pack	Crayons £4 per pack
Coloured Pencils £3 per pack	A4 Paper £5 per pack	Fountain Pens £2 each

### Silver example

Bob buys a hammer, a saw and a spanner. How much change will he receive from £20?

$$\text{£}4.00 + \text{£}2.70 + \text{£}2.50 = \text{£}9.20$$

$$\begin{array}{r} 12109.100 \\ - 9.20 \\ \hline \text{£}1080 \end{array}$$

**Hammers & Spanners**  
Low Trade Prices!

Screw-Drivers £1.60 each	Hammers £4.00 each	Saws £2.70 each
Tape Measure £1.80 per pack	Spanners £2.50 each	Swiss-Army Knife £6.00 each

### Gold example

**Examples...**

**CostSmart!**  
7 cans of cola  
Only £2.66

**SafeWise!**  
8 cans of cola  
Only £3.12

Find out the cost for 1 can!

$$\begin{array}{r} 0.38 \\ 7 \overline{) 2.2656} \end{array}$$

CostSmart is 1p cheaper per can!

$$\begin{array}{r} 0.39 \\ 8 \overline{) 3.172} \end{array}$$

### Bronze Questions

Calculate the change from £20 for the following lists...

- 1 A pack of pencils and a fountain pen.
- 2 A pack of crayons and an electric sharpener.
- 3 A pack of coloured pencils, a pack of crayons and a pack of A4 paper.
- 4 A fountain pen, a pack of pencils and a pack of crayons.
- 5 An electric sharpener, a pack of coloured pencils and a fountain pen.
- 6 A pack of pencils, a pack of crayons and a pack of A4 paper.
- 7 A pack of coloured pencils, a pack of A4 paper and a fountain pen.
- 8 An electric sharpener, a pack of crayons and a pack of A4 paper.

### Silver Questions

Calculate the change from £20 for the following lists...

- 1 A Swiss-Army knife and a hammer.
- 2 A screw-driver and a tape measure.
- 3 A spanner, a saw and a hammer.
- 4 A screw-driver, a hammer and a saw.
- 5 A hammer, a screw-driver and a spanner.
- 6 A spanner, a screw-driver and a tape measure.
- 7 A tape measure, a Swiss-Army knife and a spanner.
- 8 A saw, a hammer and a tape measure.
- 9 A saw, a tape measure and a Swiss-Army knife.
- 10 A tape measure, a screw-driver and a Swiss-Army knife.

### Gold Questions

For each set of offers, calculate which one is the "best buy"...

- 1 **Option A** 5 bottles for £7.25    **Option B** 7 bottles for £10.50    2 **Option A** 4 boxes for £7.68    **Option B** 9 boxes for £17.73
- 3 **Option A** 3 tubs for £4.68    **Option B** 4 tubs for £6.16    4 **Option A** 5 cones for £5.55    **Option B** 8 cones for £8.64
- 5 **Option A** 8 cartons for £4.56    **Option B** 10 cartons for £5.90    6 **Option A** 7 cans for £5.04    **Option B** 9 cans for £6.12
- 7 **Option A** 2 plates for £4.84    **Option B** 3 plates for £7.44    8 **Option A** 6 bags for £6.72    **Option B** 9 bags for £9.36
- 9 **Option A** 3 cups for £3.87    **Option B** 7 cups for £9.10    10 **Option A** 10 C.D.s for £8.40    **Option B** 11 C.D.s for £8.91

## Bronze Answers

- |        |        |
|--------|--------|
| 1. £16 | 2. £7  |
| 3. £8  | 4. £12 |
| 5. £6  | 6. £9  |
| 7. £10 | 8. £2  |

## Silver Answers

- |           |            |
|-----------|------------|
| 1. £10.00 | 2. £16.60  |
| 3. £10.80 | 4. £11.70  |
| 5. £11.90 | 6. £14.10  |
| 7. £9.70  | 8. £11.50  |
| 9. £9.50  | 10. £10.60 |

## Gold Answers

- |                    |                     |
|--------------------|---------------------|
| 1. A is 5p cheaper | 2. A is 5p cheaper  |
| 3. B is 2p cheaper | 4. B is 3p cheaper  |
| 5. A is 2p cheaper | 6. B is 4p cheaper  |
| 7. A is 6p cheaper | 8. B is 8p cheaper  |
| 9. A is 1p cheaper | 10. B is 3p cheaper |