Worksheet 2.1 Simple multiplication and division of whole numbers

Solve the following problems and show your working clearly.

(a) 23 × 4 = __________

(b) 42 × 5 = __________

(c) 102 ÷ 6 = __________

(d) 99 × 4 = __________

(e) 91 ÷ 7 = __________
Worksheet 2.2 Multiplication by 10, 100 and their multiples

Solve the following problems and show your working clearly.

(a) $372 \times 50 = \underline{18600}$

(b) $4800 \times 400 = \underline{1920000}$

(c) $856 \times 1000 = \underline{856000}$

(d) $95 \times 900 = \underline{85500}$

(e) $345 \times 7000 = \underline{2415000}$
Worksheet 2.3 Multiplication by powers of 10 and their multiples

Solve the following problems and show your working clearly.

(a) \( 763 \times 1000 = \) __________

(b) \( 822 \times 1000 = \) __________

(c) \( 352 \times 3000 = \) __________

(d) \( 51 \times 7000 = \) __________

(e) \( 2 \times 90000 = \) __________
Worksheet 2.4 Multiplication by one-digit numbers

Solve the following problems and show your working clearly.

(a) $7 \times 3456 = \underline{\phantom{00000000}}$
(b) $8967 \times 5 = \underline{\phantom{0000000}}$
(c) $5876 \times 8 = \underline{\phantom{0000000}}$
(d) $6271 \times 9 = \underline{\phantom{0000000}}$
(e) $4 \times 9352 = \underline{\phantom{0000000}}$
Worksheet 2.5 Multiplication word problems

1. Kyle’s salary is $2550 per month. How much salary will he have received after half a year?

2. An orchard harvested 4215 oranges. If it harvested 7 times as many grapes as oranges, how many grapes did it harvest?

3. An encyclopedia has 3790 pages. How many pages will 9 such encyclopedias have altogether?
Worksheet 2.6 Multiplication by two-digit numbers

Solve the following problems and show your working clearly.

(a) $137 \times 54 = \underline{7,358}$

(b) $673 \times 15 = \underline{10,105}$

(c) $887 \times 78 = \underline{68,786}$

(d) $371 \times 97 = \underline{35,967}$

(e) $83 \times 632 = \underline{52,506}$
Worksheet 2.7  Multiplication by numbers with more than two digits

Solve the following problems and show your working clearly

(a) \(374 \times 145 = \) ____________

(b) \(223 \times 169 = \) ____________

(c) \(817 \times 471 = \) ____________

(d) \(6271 \times 365 = \) ____________

(e) \(9356 \times 6734 = \) ____________
Worksheet 2.8 Division of whole numbers by 10 and its multiples

Solve the following problems and show your working clearly

(a) $150 \div 50 = \underline{\hspace{2cm}}$

(b) $3300 \div 30 = \underline{\hspace{2cm}}$

(c) $7550 \div 50 = \underline{\hspace{2cm}}$

(d) $3400 \div 20 = \underline{\hspace{2cm}}$

(e) $5600 \div 80 = \underline{\hspace{2cm}}$
Worksheet 2.9 Division of whole numbers by powers of 10 and their multiples

Solve the following problems and show your working clearly.

(a) \( 435 \, 000 \div 1000 = \) ________

(b) \( 56 \, 000 \div 7000 = \) ________

(c) \( 955 \, 000 \div 5000 = \) ________

(d) \( 720 \, 000 \div 90000 = \) ________

(e) \( 840 \, 000 \div 40000 = \) ________
Worksheet 2.10 Division by one-digit numbers

Find the quotient and remainder of each of the following.

(a) \( 895 \div 5 = \) __________

(b) \( 7686 \div 4 = \) __________

(c) \( 4548 \div 3 = \) __________

(d) \( 7719 \div 6 = \) __________

(e) \( 9672 \div 4 = \) __________
Worksheet 2.11 Estimation of whole numbers

Estimate the value of each of the following.

(a) \(8234 \div 4 \approx \underline{2058}\)

(b) \(6730 \div 7 \approx \underline{961}\)

(c) \(1236 \div 6 \approx \underline{206}\)

(d) \(4284 \div 3 \approx \underline{1428}\)

(e) \(9275 \div 5 \approx \underline{1855}\)
Worksheet 2.12  Addition and subtraction using a calculator

Solve the following problems and show your working clearly.

(a) 2561 + 583 =

(b) 647928 + 34773 =

(c) 53773 − 3553 =

(d) 9275 − 342 =

(e) 899376 − 2387 =
Worksheet 2.13 Multiplication and division using a calculator

Solve the following problems and show your working clearly.

(a) \(312\,166 \times 567 = \) 

(b) \(44\,653 \times 663 = \)

(c) \(511\,464 \div 6 = \)

(d) \(536\,940 \div 684 = \)

(e) \(22\,542 \div 26 = \)
Worksheet 2.14 Order of operations — Addition and subtraction

Solve the following problems and show your working clearly.

(a) \( 2231 + 376 - 454 = \)

(b) \( 648337 - 34773 + 3627 = \)

(c) \( 63763 + 589 - 356 + 552 - 34 = \)

(d) \( 4674 + 4573 - 3452 = \)

(e) \( 6366 - 34 + 674 - 2387 = \)
Worksheet 2.15 Order of operations — Four operations

Solve the following problems and show your working clearly.

(a) $36 \div 6 \times 76 + 3 = \underline{\hphantom{123}}$

(b) $364 \times 27 + 3 \div 9 = \underline{\hphantom{123}}$

(c) $2573 - 230 \div 5 = \underline{\hphantom{123}}$

(d) $5646 \div 2 + 567 - 234 = \underline{\hphantom{123}}$

(e) $5460 \times 15 + 456 - 640 \div 80 = \underline{\hphantom{123}}$
Worksheet 2.16 Order of operations —
Four operations and brackets

Solve the following problems and show your working clearly.

(a) \(36 \div 6 \times (76 + 3) = \) 

(b) \(364 \times (27 + 3) \div 9 = \) 

(c) \((5630 - 3450 + 200) \div 10 \times 20 = \) 

(d) \(5646 \div 2 + (567 - 234) = \) 

(e) \(5460 \times (15 + 456) - 640 \div 80 = \)
BM 2.18  Operations and brackets cards

+  −  ×

÷  =  ( )
BM 2.19  TINS strategy

T – Thought

I – Information

N – Number sentence

S – Solution sentence
Worksheet 2.20 Solving word problems

1. (a) A small factory employs 98 workers. Of these, 10 receive a wage of $150 per day and the rest receive $85 per day. A week is equal to 6 working days. How much does the factory pay its workers each week?

(b) If the factory has expenses of $1135 a day in addition to the wages above and makes $70 000 in a week, what is the factory’s total profit in a week?
2. A Math Club makes 35 bars of laundry soap a week and sells them at $20 each. Before the bars of soap are sold, the pupils found out that 6 bars were destroyed by mice. What will be the total sale at the end of a four-week month? Write a number sentence and show your working to get the answer.

3. Emily had 30 cookies to bring to school for her birthday. 3 pupils wanted 2 cookies each. A new pupil came to school that day and wanted 3 cookies. 1 of the 3 pupils gave his cookies back. Emily was still passing out cookies. How many cookies did Emily have left to pass out?
4. Lilia scores 15 points fewer than Bob. Bob scores 35 points. Carol scores half as many points as Lilia. How many points does Carol score? Write a number sentence and show your working to get the answer.

5. The school team scored 3 field goals worth 3 points each and 2 touchdowns worth 6 points each, with a single extra point for each touchdown. Write a number sentence and show your working to find the team’s score.