

| NUMBER AND PLACE VALUE CARD | WORKING MATHEMATICALLY | | | NUMBER AND ALGEBRA | | | | | | |
|------------------------------------|--|--|--|---|---|---|--|--|---|---|
| | COMMUNICATING | PROBLEM-SOLVING | REASONING | WHOLE NUMBERS | ADDITION AND SUBTRACTION | MULTIPLICATION AND DIVISION | FRACTIONS AND DECIMALS | PATTERNS AND ALGEBRA | | |
| | Describes and represents mathematical situations in a variety of ways using mathematical terminology and some conventions MA3-1WM | Selects and applies appropriate problem-solving strategies, including the use of digital technologies, in undertaking investigations MA3-2WM | Gives a valid reason for supporting one possible solution over another MA3-3WM | Orders, reads and represents integers of any size and describes properties of whole numbers MA3-4NA | Selects and applies appropriate strategies for addition and subtraction with counting numbers of any size MA3-5NA | Selects and applies appropriate strategies for multiplication and division, and applies the order of operations to calculations involving more than one operation MA3-6NA | Compares, orders and calculates with fractions, decimals and percentages MA3-7NA | Analyses and creates geometric and number patterns, constructs and completes number sentences, and locates points on the Cartesian plane MA3-8NA | | |
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| NUMBER AND PLACE VALUE | MEASUREMENT AND GEOMETRY | | | | | | | | | STATISTICS AND PROBABILITY | |
|------------------------|--|---|--|--|---|--|---|---|---|---|---|
| | LENGTH | AREA | VOLUME AND CAPACITY | MASS | TIME | THREE-DIMENSIONAL SPACE | TWO-DIMENSIONAL SPACE | ANGLES | POSITION | DATA | CHANCE |
| | Selects and uses the appropriate unit and device to measure lengths and distances, calculates perimeters, and converts between units of length MA3-9MG | Selects and uses the appropriate unit to calculate areas, including areas of squares, rectangles and triangles MA3-10MG | Selects and uses the appropriate unit to estimate, measure and calculate volumes and capacities, and converts between units of capacity MA3-11MG | Selects and uses the appropriate unit and device to measure the masses of objects, and converts between units of mass MA3-12MG | Uses 24-hour time and am and pm notation in real-life situations, and constructs timelines MA3-13MG | Identifies three-dimensional objects, including prisms and pyramids, on the basis of their properties, and visualises, sketches and constructs them given drawings of different views MA3-14MG | Manipulates, classifies and draws two-dimensional shapes, including equilateral, isosceles and scalene triangles, and describes their properties MA3-15MG | Measures and constructs angles, and applies angle relationships to find unknown angles MA3-16MG | Locates and describes position on maps using a grid-reference system MA3-17MG | Uses appropriate methods to collect data and constructs, interprets and evaluates data displays, including dot plots, line graphs and two-way tables MA3-18SP | Conducts chance experiments and assigns probabilities as values between 0 and 1 to describe their outcomes MA3-19SP |
| CARD | | | | | | | | | | | |
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| FRACTIONS AND DECIMALS CARD | WORKING MATHEMATICALLY | | | NUMBER AND ALGEBRA | | | | |
|------------------------------------|--|--|--|---|---|---|--|--|
| | COMMUNICATING | PROBLEM-SOLVING | REASONING | WHOLE NUMBERS | ADDITION AND SUBTRACTION | MULTIPLICATION AND DIVISION | FRACTIONS AND DECIMALS | PATTERNS AND ALGEBRA |
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| FRACTIONS AND DECIMALS | MEASUREMENT AND GEOMETRY | | | | | | | | | STATISTICS AND PROBABILITY | |
|------------------------|--|---|--|--|---|--|---|---|---|---|---|
| | LENGTH | AREA | VOLUME AND CAPACITY | MASS | TIME | THREE-DIMENSIONAL SPACE | TWO-DIMENSIONAL SPACE | ANGLES | POSITION | DATA | CHANCE |
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| MONEY AND FINANCIAL MATHEMATICS | WORKING MATHEMATICALLY | | | NUMBER AND ALGEBRA | | | | |
|---------------------------------|--|--|--|---|---|---|--|--|
| | COMMUNICATING | PROBLEM-SOLVING | REASONING | WHOLE NUMBERS | ADDITION AND SUBTRACTION | MULTIPLICATION AND DIVISION | FRACTIONS AND DECIMALS | PATTERNS AND ALGEBRA |
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| MONEY AND FINANCIAL MATHEMATICS | MEASUREMENT AND GEOMETRY | | | | | | | | | STATISTICS AND PROBABILITY | |
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| PATTERNS AND ALGEBRA | WORKING MATHEMATICALLY | | | NUMBER AND ALGEBRA | | | | | | |
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| | COMMUNICATING | PROBLEM-SOLVING | REASONING | WHOLE NUMBERS | ADDITION AND SUBTRACTION | MULTIPLICATION AND DIVISION | FRACTIONS AND DECIMALS | PATTERNS AND ALGEBRA | | |
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| PATTERNS AND ALGEBRA | MEASUREMENT AND GEOMETRY | | | | | | | | | STATISTICS AND PROBABILITY | |
|----------------------|--|---|--|--|---|--|---|---|---|---|---|
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| USING UNITS OF MEASUREMENT | WORKING MATHEMATICALLY | | | NUMBER AND ALGEBRA | | | | |
|----------------------------|--|--|--|---|---|---|--|--|
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| USING UNITS OF MEASUREMENT | MEASUREMENT AND GEOMETRY | | | | | | | | | STATISTICS AND PROBABILITY | |
|----------------------------|--|---|--|--|---|--|---|---|---|---|---|
| | LENGTH | AREA | VOLUME AND CAPACITY | MASS | TIME | THREE-DIMENSIONAL SPACE | TWO-DIMENSIONAL SPACE | ANGLES | POSITION | DATA | CHANCE |
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| SHAPE CARD | WORKING MATHEMATICALLY | | | NUMBER AND ALGEBRA | | | | |
|-------------------|--|--|--|---|---|---|--|--|
| | COMMUNICATING | PROBLEM-SOLVING | REASONING | WHOLE NUMBERS | ADDITION AND SUBTRACTION | MULTIPLICATION AND DIVISION | FRACTIONS AND DECIMALS | PATTERNS AND ALGEBRA |
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| SHAPE CARD | MEASUREMENT AND GEOMETRY | | | | | | | | | STATISTICS AND PROBABILITY | |
|---------------|--|---|--|--|---|--|---|---|---|---|---|
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| LOCATION AND TRANSFORMATION | WORKING MATHEMATICALLY | | | NUMBER AND ALGEBRA | | | | |
|-----------------------------|--|--|--|---|---|---|--|--|
| | COMMUNICATING | PROBLEM-SOLVING | REASONING | WHOLE NUMBERS | ADDITION AND SUBTRACTION | MULTIPLICATION AND DIVISION | FRACTIONS AND DECIMALS | PATTERNS AND ALGEBRA |
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| LOCATION AND TRANSFORMATION CARD | MEASUREMENT AND GEOMETRY | | | | | | | | | STATISTICS AND PROBABILITY | |
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| <p>GEOMETRIC REASONING</p> <p>CARD</p> | WORKING MATHEMATICALLY | | | NUMBER AND ALGEBRA | | | | |
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| GEOMETRIC REASONING CARD | MEASUREMENT AND GEOMETRY | | | | | | | | | STATISTICS AND PROBABILITY | |
|---------------------------------|--|---|--|--|---|--|---|---|---|---|---|
| | LENGTH | AREA | VOLUME AND CAPACITY | MASS | TIME | THREE-DIMENSIONAL SPACE | TWO-DIMENSIONAL SPACE | ANGLES | POSITION | DATA | CHANCE |
| | Selects and uses the appropriate unit and device to measure lengths and distances, calculates perimeters, and converts between units of length MA3-9MG | Selects and uses the appropriate unit to calculate areas, including areas of squares, rectangles and triangles MA3-10MG | Selects and uses the appropriate unit to estimate, measure and calculate volumes and capacities, and converts between units of capacity MA3-11MG | Selects and uses the appropriate unit and device to measure the masses of objects, and converts between units of mass MA3-12MG | Uses 24-hour time and am and pm notation in real-life situations, and constructs timelines MA3-13MG | Identifies three-dimensional objects, including prisms and pyramids, on the basis of their properties, and visualises, sketches and constructs them given drawings of different views MA3-14MG | Manipulates, classifies and draws two-dimensional shapes, including equilateral, isosceles and scalene triangles, and describes their properties MA3-15MG | Measures and constructs angles, and applies angle relationships to find unknown angles MA3-16MG | Locates and describes position on maps using a grid-reference system MA3-17MG | Uses appropriate methods to collect data and constructs, interprets and evaluates data displays, including dot plots, line graphs and two-way tables MA3-18SP | Conducts chance experiments and assigns probabilities as values between 0 and 1 to describe their outcomes MA3-19SP |
| 1 | | | | | | | • | ✓ | | | |
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| CHANCE CARD | WORKING MATHEMATICALLY | | | NUMBER AND ALGEBRA | | | | |
|--------------------|--|--|--|---|---|---|--|--|
| | COMMUNICATING | PROBLEM-SOLVING | REASONING | WHOLE NUMBERS | ADDITION AND SUBTRACTION | MULTIPLICATION AND DIVISION | FRACTIONS AND DECIMALS | PATTERNS AND ALGEBRA |
| | Describes and represents mathematical situations in a variety of ways using mathematical terminology and some conventions MA3-1WM | Selects and applies appropriate problem-solving strategies, including the use of digital technologies, in undertaking investigations MA3-2WM | Gives a valid reason for supporting one possible solution over another MA3-3WM | Orders, reads and represents integers of any size and describes properties of whole numbers MA3-4NA | Selects and applies appropriate strategies for addition and subtraction with counting numbers of any size MA3-5NA | Selects and applies appropriate strategies for multiplication and division, and applies the order of operations to calculations involving more than one operation MA3-6NA | Compares, orders and calculates with fractions, decimals and percentages MA3-7NA | Analyses and creates geometric and number patterns, constructs and completes number sentences, and locates points on the Cartesian plane MA3-8NA |
| 1 | While the cards may contain elements of these outcomes they were not written with the outcomes specifically in mind as they are not stated in the Australian Curriculum. These outcomes could be incorporated within the lesson, depending on how the cards are used in the classroom. | | | | | | • | |
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| CHANCE CARD | MEASUREMENT AND GEOMETRY | | | | | | | | | STATISTICS AND PROBABILITY | |
|----------------|--|---|--|--|---|--|---|---|---|---|---|
| | LENGTH | AREA | VOLUME AND CAPACITY | MASS | TIME | THREE-DIMENSIONAL SPACE | TWO-DIMENSIONAL SPACE | ANGLES | POSITION | DATA | CHANCE |
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| 1 | | | | | | | | | | | ✓ |
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| 3 | | | | | | | | | | | ✓ |
| 4 | | | | | | | | | | • | ✓ |
| 5 | | | | | | | | | | | ✓ |
| 6 | | | | | | | | | | | ✓ |

| DATA REPRESENTATION AND INTERPRETATION | WORKING MATHEMATICALLY | | | NUMBER AND ALGEBRA | | | | |
|--|--|--|--|---|---|---|--|--|
| | COMMUNICATING | PROBLEM-SOLVING | REASONING | WHOLE NUMBERS | ADDITION AND SUBTRACTION | MULTIPLICATION AND DIVISION | FRACTIONS AND DECIMALS | PATTERNS AND ALGEBRA |
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| DATA REPRESENTATION AND INTERPRETATION | MEASUREMENT AND GEOMETRY | | | | | | | | | STATISTICS AND PROBABILITY | |
|--|--|---|--|--|---|--|---|---|---|---|---|
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| CARD | | | | | | | | | | | |
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